

## ABSTRACT

5 An electrically heatable in sole may include at least  
one sole base body and one covering layer, at least  
one heating electrode, at least one rechargeable bat-  
tery that is electrically connected to the heating  
electrode, and a control circuit for controlling the  
heating process and the charging of the battery.  
10 Heating electrodes, rechargeable batteries and a con-  
trol circuit are arranged in the base body of the  
sole and/or between the base body and the covering  
layer. The control circuit includes a remote control  
device for starting and stopping the heating process,  
15 and a protection circuit for disconnecting the re-  
chargeable batteries in the event of an error.